

# Power to Grow NOLA

## Electric Power Transmission System Upgrade

### *230kV Transmission Reconductor Project*

*Phase I: Ninemile generation – Napoleon substation*

*Phase II: Ninemile generation – Derbigny substation*

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## Transmission Upgrade Project Presentation

September 22-24, 2015



# Safety Topic of the Day

**Safety is the cornerstone of Entergy's culture.** We start work days with a “safety focus” to create and sustain a safe, accident-free environment for employees, work crews and the public. We ask you to help us, so we can all stay safe during this project.

## Questioning Attitude

“The important thing is to not stop questioning.” - Albert Einstein

“There are no foolish questions, and no man becomes a fool until he has stopped asking questions.” - Charles P. Steinmetz

Have a questioning attitude for every task you have today.

- ✓ Is it safe?
- ✓ What is the safest way to complete this task?
- ✓ How can we do it better and safer?

## Diversity Moment

- “When you build inclusion into a structure, what you build is trust, cohesion and unity.” - Lillian Rodriguez Lopez

# Project Overview

Approximately \$30 million capital investment in the electric power transmission system that positions the city for continued economic growth and development.



**Phase I, Ninemile-Napoleon substation** impacts the Audubon Park, upper Magazine Street and Annunciation Street areas.

Mid-July to September 2015. - **Complete**

**Phase II, Ninemile-Derbigny substation** impacts Carrollton-Hollygrove area including Cambronne Street through the outer portions of the Xavier University footprint.

October to March 2016.

# Project Need

To meet customers' growing energy needs, a transmission upgrade of this magnitude is required to move more power with greater efficiency.

The transmission project is part of ongoing integrated resource planning for New Orleans, as Entergy prepares to deactivate the aging Michoud generating facility, originally placed into service during the 1960s.

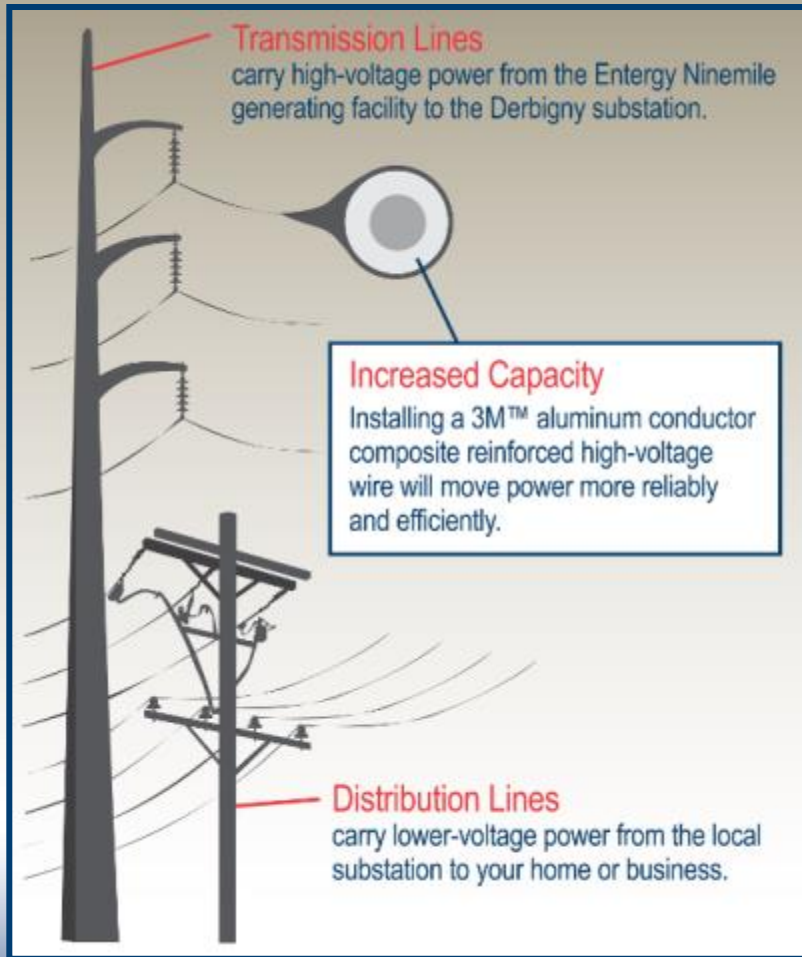


*Ninemile 6 Generation Facility*

These upgrades are required by the Midcontinent Independent System Operator prior to the planned 2016 Michoud deactivation.

Entergy is currently evaluating Michoud as a site for a future generation facility.

# What the project looks like



The project replaces the existing 230 kilovolt transmission lines with a 3M™ aluminum conductor composite reinforced high voltage wire that will move power more efficiently.

The use of advanced technology will provide additional capacity and will allow Entergy to upgrade the lines without replacing the existing steel poles.

# Ninemile-Napoleon (Phase I): Blue Line

## Ninemile-Derbigny (Phase II): Green Line



# Phase II Impacted Areas



# Project Safety

No project is so important that we can't and won't do it safely.



The top priority for this project is to have a safe, accident-free environment for the public and project crews.

Entergy has developed detailed on-site safety measures that have been tailored to meet the needs of the project and the impacted areas.



# Transmission System Upgrade Procedure

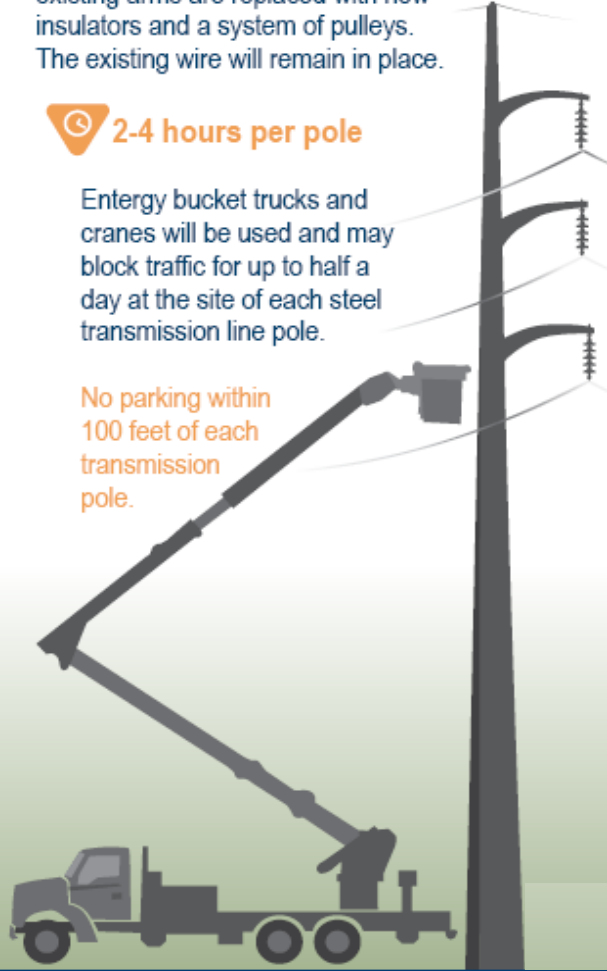
## 1. Pre-Pull

On each transmission pole, the three existing arms are replaced with new insulators and a system of pulleys. The existing wire will remain in place.

 2-4 hours per pole

Entergy bucket trucks and cranes will be used and may block traffic for up to half a day at the site of each steel transmission line pole.

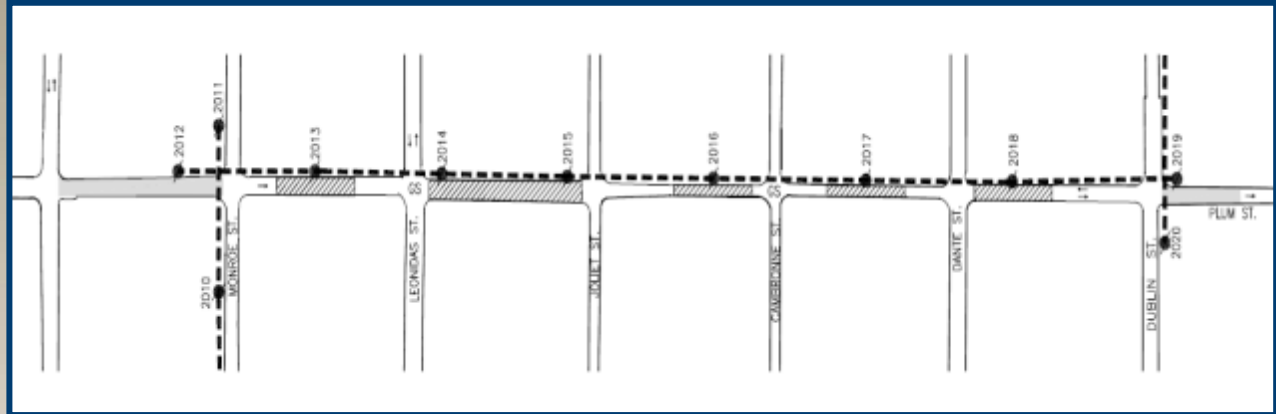
No parking within 100 feet of each transmission pole.



# Transmission System Upgrade Procedure

## 2. Pull

New high-capacity wire is threaded from pole to pole through the pulleys, replacing the old wire. Each straight segment of transmission line is replaced in one "pull." There are nine segments along the line from the Entergy Ninemile generating facility to the Napoleon substation (refer to map).



### Restrictions to vehicular and pedestrian traffic

The day of the pull, automobile, bicycle and pedestrian traffic along the entire segment will experience temporary delays as the wire is pulled from one end to the other. These delays may last from 15 minutes to 2 hours.

Safe crossings will be set up at strategic locations along the pull route to allow traffic to navigate even during the pull.

**No parking will be allowed on the street the day of the pull.** Residents should not park in their driveway on the pull day in order to avoid delays coming or going. Pedestrian traffic will be restricted for short times as well. Residents will be notified in advance of the pull. Your safety is our top priority.



# Transmission System Upgrade Procedure

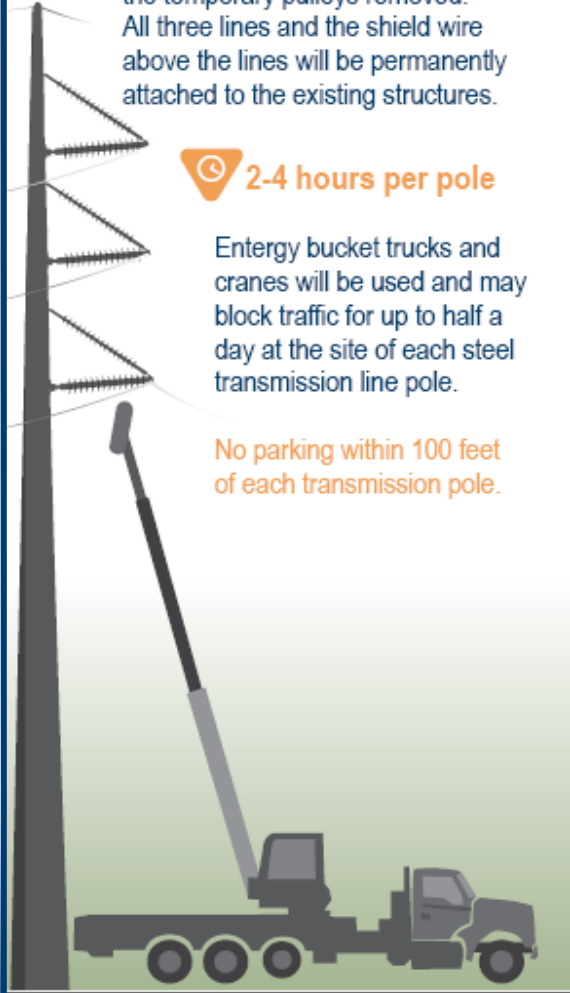
## 3. Post-Pull

Each transmission pole will have the temporary pulleys removed. All three lines and the shield wire above the lines will be permanently attached to the existing structures.

 **2-4 hours per pole**

Entergy bucket trucks and cranes will be used and may block traffic for up to half a day at the site of each steel transmission line pole.

**No parking within 100 feet of each transmission pole.**



# Project Progress



# Coordinated Project Plan

- ✓ Work closely with Department of Public Works and Department of Transportation & Development to develop detailed traffic plan.
- ✓ Coordinate with neighboring infrastructure projects.
- ✓ Detailed communication plan to keep neighborhoods, businesses, institutions and government agencies up-to-date.
- ✓ Provide adequate signage to help safely navigate around project work areas.



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# Public Notifications

- ✓ Informational Meetings
- ✓ Email
- ✓ Hotline
- ✓ Website
- ✓ Face-to-Face
- ✓ Robo-calls
- ✓ Social Media
- ✓ Local Media

**Join Us**

for an Informational Meeting about our Electric Power Transmission System Upgrade for New Orleans

**Tuesday, Sept. 22**  
6 - 7:30 p.m.  
Central St. Matthew,  
United Church of Christ  
1333 South Carrollton Ave.

**Wednesday, Sept. 23**  
6 - 7:30 p.m.  
Total Community Action  
1416 S. Jefferson Davis Hwy

**Thursday, Sept. 24**  
6 - 7:30 p.m.  
Xavier University  
Convocation Center Annex, Room 111  
1780 Washington Ave.

**POWER to GROW**  
A Blueprint for Louisiana's Bright Future

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**Power to Grow NOLA**

New Orleans will be prepared for continued economic growth and development as Entergy New Orleans continues to invest in advanced technologies to upgrade its electric power transmission system.

The project is enhancing reliability, increasing transmission capacity and helping to ensure the availability of affordable power now and into the future.

The city is the lead authority for the work required by these and other agencies. The upgrade plan includes the following for the existing electric transmission lines to be upgraded. Additional work will not be affected.

**Electric Power Transmission System Upgrade Facts**

- Entergy is investing \$2 billion in the electric transmission infrastructure of New Orleans with the Power to Grow NOLA project.
- Once completed, the city will have a technologically advanced system with increased capacity and reliability.
- Phase 1 will begin in October 2017 and require the Commission-Regulators including Customers' Consent and the same permission of the Xavier University budget.
- The project will involve the existing 220 kV electric transmission lines with a 200+ kilometer conductor upgrade and additional high-voltage sites that will receive power from other, and already existing, substations.
- The use of advanced technology will allow Entergy to reduce the time without disrupting existing grid points.
- Daily in our job priority Entergy has developed detailed safety requirements to meet the needs of the project and impacted areas.
- Entergy has developed a detailed communication plan for impacted neighborhoods, businesses, educational and government agencies applicable to the project's progress.
- Vehicle, pedestrian and bicycle traffic plans, compatible with street activities, will be available to help you safely navigate around the project work areas.

Hotline: 504-670-3624 | [powertogrow@entergy.com](mailto:powertogrow@entergy.com) | [powertogrownola.com](http://powertogrownola.com)

**Electric Power Transmission System Upgrade**

**Hotline: (504) 670-3624**

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A Blueprint for Louisiana's Bright Future

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**Frequently Asked Questions**

- What is the objective of the project?  
Construction on Phase 1 of the project will start in October and is scheduled to be completed by March 2016.
- Should I be concerned about safety issues?  
Our top priority is to have a safe, accident-free environment. Entergy New Orleans has developed a detailed communication plan to keep you informed of the project's progress, including any safety issues that have been identified as a result of the project, community and incident reports.
- What will the street be looking like?  
A. Crews will work primarily from 6:00 a.m. to 6:00 p.m. on weekdays.  
B. When construction is taking place in your neighborhood, there will be existing street closures, to permit access, as well as pedestrian and bicycle restrictions.
- Will my neighborhood be impacted?  
Although our work will impact your neighborhood, we will be working around your neighborhood to ensure that we have the least impact on your neighborhood. We will also provide information to ensure you have the best information in a timely manner.
- Can I stop my car parked in my driveway during the upgrade work?  
The majority of work for your street will be done during the day. Entergy has developed a detailed communication plan to keep you informed of the project's progress, including any safety issues that have been identified as a result of the project, community and incident reports.
- Can I stop my car parked in my driveway during the upgrade work?  
The majority of work for your street will be done during the day. Entergy has developed a detailed communication plan to keep you informed of the project's progress, including any safety issues that have been identified as a result of the project, community and incident reports.
- Will I know if my street or block will be directly impacted?  
Entergy New Orleans works closely with the city Police and Parkway Department to ensure that we are informed in such a way that we can provide the best information to ensure you have the best information in a timely manner.
- Where should I report neighborhood issues and concerns regarding the project?  
Please call the Hotline for Power to Grow NOLA or email us at [powertogrow@entergy.com](mailto:powertogrow@entergy.com).

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# Questions

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